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**From:** O'Loughlin, Connor [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D1F369DA6C9547ED90366BFB7C59510B-OLOUGHLIN,]  
**Sent:** 2/11/2021 7:23:57 PM  
**To:** Taylor, Daniel [taylor.daniel@epa.gov]  
**Subject:** RE: Hi Connor

Dan,

See my responses below. Give me a call or we can do a Teams meeting to chat further.

Connor O'Loughlin P.G.  
Environmental Protection Agency, Region III  
Site Assessment Manager, (3HS12)  
1650 Arch Street,  
Philadelphia, PA 19103-2029  
phone 215-814-3304  
Cell 412-779-0444

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**From:** Taylor, Daniel <taylor.daniel@epa.gov>  
**Sent:** Thursday, February 11, 2021 8:31 AM  
**To:** O'Loughlin, Connor <oloughlin.connor@epa.gov>  
**Subject:** RE: Hi Connor

Hey Connor,

I had a few follow up questions for you.

1. I have been going through the residential sampling events that took place in the past. There were a series of excel sheets, and I have been putting each of them together to have a one stop shop (attached).
  - a. You noted in you previous email metals were sampled. From the SI and the excel sheets, I don't see information on metals sampled for in the residential wells. Did sampling for metals actually happen? Metals sampling occurred under the VCP in 2011-2015. It would be in the RI report (2015). We did not sample for metals from the residential wells as part of the SI. We did sample the new wells for metals. You can check with Eduardo, but I think they only sampled for the 6 PFAS compounds.
  - b. I received an excel sheet from the State and combined it to my excel sheet. I noticed the SI didn't include the results of this/the excel sheet you provided did not have the results. Do you have the results from this? (I attached) I did not input all of the data into that particular table. The final results would be in the SI and HRS documents. I inputted some data-just enough to get an idea of the site issues, but I not everything. I left that up to the final reports.
  - c. You had Vulcan Material in your Residential Information tab (the Result table and Well table I attached). Did you sample this as if it was a residential well. I don't believe this was in the SI report. I could not get access to the Vulcan Materials industrial well. They let us collect surface water and sediment from the back bay area on their property. But, no they were not included.
  - d. Cells 47-67 of the result table and well table excel sheet don't have location ID's (and weren't included as part of the SI evaluation. From your excel sheet, they do have permit numbers. I was wondering if there was a reason why these were not sampled. It looks like this table got a bit messed up/misaligned. The rows are off. In addition, this table came from the online delaware public wells system site. I did a data pull of every well in the State of Delaware and then narrowed it to the area. Some wells do not have location IDs as they are pre-1970's. We did not sample those wells. The issue could have been access or change of person or address. I didn't reach out to the home owners for the residential sampling so I am not fully sure what Eduardo did at the time.
2. I was doing some GIS research (which I admittedly am not very good at). I attached a screenshot. There was a Delmarva Aggregate Misc Public (green dots) and Blades Other Public (red dots). I wanted to see if you had any

insight on this. The green dots you have are areas owned by the county and I think it's a right-of-way for the power lines. I am not sure what the red dots represent (maybe the residential wells?).

# Ex. 9 Wells

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**From:** O'Loughlin, Connor <[oloughlin.connor@epa.gov](mailto:oloughlin.connor@epa.gov)>  
**Sent:** Wednesday, February 10, 2021 4:35 PM  
**To:** Mandell, Alexander <[mandell.alexander@epa.gov](mailto:mandell.alexander@epa.gov)>  
**Cc:** Taylor, Daniel <[taylor.daniel@epa.gov](mailto:taylor.daniel@epa.gov)>; Page, Katherine <[Page.Katherine@epa.gov](mailto:Page.Katherine@epa.gov)>  
**Subject:** RE: Hi Connor

Alex,

I forgot to include the update document list for the Blades Groundwater Site. There are two document inventories online. For each document, you can click on the document you wanted to see – they are in hyperlink formats. It was complex at the time trying to get all the work finished, but I hope all of this helps.

Thanks

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**From:** Mandell, Alexander <[mandell.alexander@epa.gov](mailto:mandell.alexander@epa.gov)>  
**Sent:** Wednesday, February 10, 2021 3:48 PM  
**To:** O'Loughlin, Connor <[oloughlin.connor@epa.gov](mailto:oloughlin.connor@epa.gov)>  
**Cc:** Taylor, Daniel <[taylor.daniel@epa.gov](mailto:taylor.daniel@epa.gov)>; Page, Katherine <[Page.Katherine@epa.gov](mailto:Page.Katherine@epa.gov)>  
**Subject:** Re: Hi Connor

Hi Connor,

This is wonderful. This helps paint a picture with more detail for us as we begin to dive in on our end. It does make sense to me that there were calls made, I think we just want to be prepared since it's been some time for folks to ask for their results (hard copy format).

But we can re-iterate if need be, all these great steps that were taken to ensure they were well-informed. This of course includes the availability session in addition to all the outreach that was conducted before, during, and after this work.

Many thanks again!

Best,

Alex

On Feb 10, 2021, at 2:21 PM, O'Loughlin, Connor <[oloughlin.connor@epa.gov](mailto:oloughlin.connor@epa.gov)> wrote:

Alex,

I looked through some of my emails again to remember our decisions at the time. If I remember correctly, Eduardo and Kelly were conducting the residential sampling. I am pretty sure that they reached out to the residents at the time via phone. We had to go back and sample several times, as well with Weston at the time had to resample the 7 homes in the areas that had detections of PFAS or metals in the wells as part of the HRS. I am not sure if it was Weston or the OSC's that spoke with the home owners. In addition, I think we held a public availability session with all the data in after getting the results.

I went into the DNREC document database and pulled two emails from 2018. It looks like Eduardo started to speak with home owners around 2/27/2018 about their results. At the time removal was in charge of the residential portion and I was working on the SI/HRS. I was not involved in their decision making at the time. I have also included the most recent residential letters between DNREC and the home owners. We can have a Teams call if you would like to discuss everything.

Thank you

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**From:** Mandell, Alexander <[mandell.alexander@epa.gov](mailto:mandell.alexander@epa.gov)>

**Sent:** Wednesday, February 10, 2021 1:38 PM

**To:** O'Loughlin, Connor <[oloughlin.connor@epa.gov](mailto:oloughlin.connor@epa.gov)>

**Cc:** Taylor, Daniel <[taylor.daniel@epa.gov](mailto:taylor.daniel@epa.gov)>; Page, Katherine <[Page.Katherine@epa.gov](mailto:Page.Katherine@epa.gov)>

**Subject:** Hi Connor

Hi Connor,

I hope you are well!

Dan, myself, and Katie had a discussion today in prep to move forward (in the near future) with residential sampling for Blades.

## **Ex. 5 Deliberative Process (DP)**

Any guidance would be a huge help. Thanks!

Best,

Alex

**Alexander Mandell**

Community Involvement Coordinator

EPA Region 3

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<image001.png>

## **Ex. 6 Personal Privacy (PP)**

<Email DNREC to EPA and All 02282018.pdf>

<Procino Plating Document List - Sitewide.PDF>

<Residential Sampling Email DNREC to EPA 02272018.pdf>